

Fig. 4

Example Reconfigurable CAN Device

CAN Network Interface Base Arbitration ID 0x300 <u>20</u>	Analog Input I/O Interface (AI) <u>21</u>	Analog Output I/O Interface (AO) <u>22</u>	Digital Input I/O Interface (DI) <u>23</u>	Digital Output I/O Interface (DO) <u>24</u>
	8 channels, 2 bytes per channel	8 channels, 2 bytes per channel	16 channels, 1 bit per channel	16 channels, 1 bit per channel

Fig. 5

Channel And Arbitration ID Scheme On Initialization

Arbitration ID	Bytes Used	Interface	Channels	Comment
0x300				Reserved for configuration response
0x301				Reserved for configuration request
0x302	8	AI	1 to 4	2 bytes / channel
0x303	8	AI	5 to 8	2 bytes / channel
0x304	8	AO	1 to 4	2 bytes / channel
0x305	8	AO	5 to 8	2 bytes / channel
0x306	2	DI	1 to 16	1 bit / channel
0x307	2	DO	1 to 16	1 bit / channel

Fig. 6

Channel And Arbitration ID Scheme After Modification (Arbitrary Example All Channels Used)

Arbitration ID	Bytes Used	Interface	Channels	Comment
0x300				Reserved for configuration
0x301				Reserved for configuration
0x305	5	AI, DI	1,2 from AI 8 from DI	2 bytes / channel from AI 1 bit / channel from DI
0x30A	7	AI, DI	3,4,5 from AI 8 from DI	2 bytes / channel from AI 1 bit / channel from DI
0x310	4	AO, DO	1 from AO 16 from DO	2 bytes / channel from AO 1 bit / channel from DO
0x312	6	AO	2,5,8 from AO	2 bytes / channel
0x31F	8	AO	3,4,6,7 from AO	2 bytes / channel
0x320	6	AI	6,7,8 from AI	2 bytes / channel from AI

Fig. 7

Graphical view of arbitration ID 0x305

Bit 0	Bit 1	Bit 2	Bit 3	Bit 4	Bit 5	Bit 6	Bit 7	
AI-CH1	AI-CH1	AI-CH1	AI-CH1	AI-CH1	AI-CH1	AI-CH1	AI-CH1	Byte 0
AI-CH1	AI-CH1	AI-CH1	AI-CH1	AI-CH1	AI-CH1	AI-CH1	AI-CH1	Byte 1
AI-CH2	AI-CH2	AI-CH2	AI-CH2	AI-CH2	AI-CH2	AI-CH2	AI-CH2	Byte 2
AI-CH2	AI-CH2	AI-CH2	AI-CH2	AI-CH2	AI-CH2	AI-CH2	AI-CH2	Byte 3
DI-CH1	DI-CH2	DI-CH3	DI-CH4	DI-CH5	DI-CH6	DI-CH7	DI-CH8	Byte 4
								Byte 5
								Byte 6
								Byte 7

Fig. 8

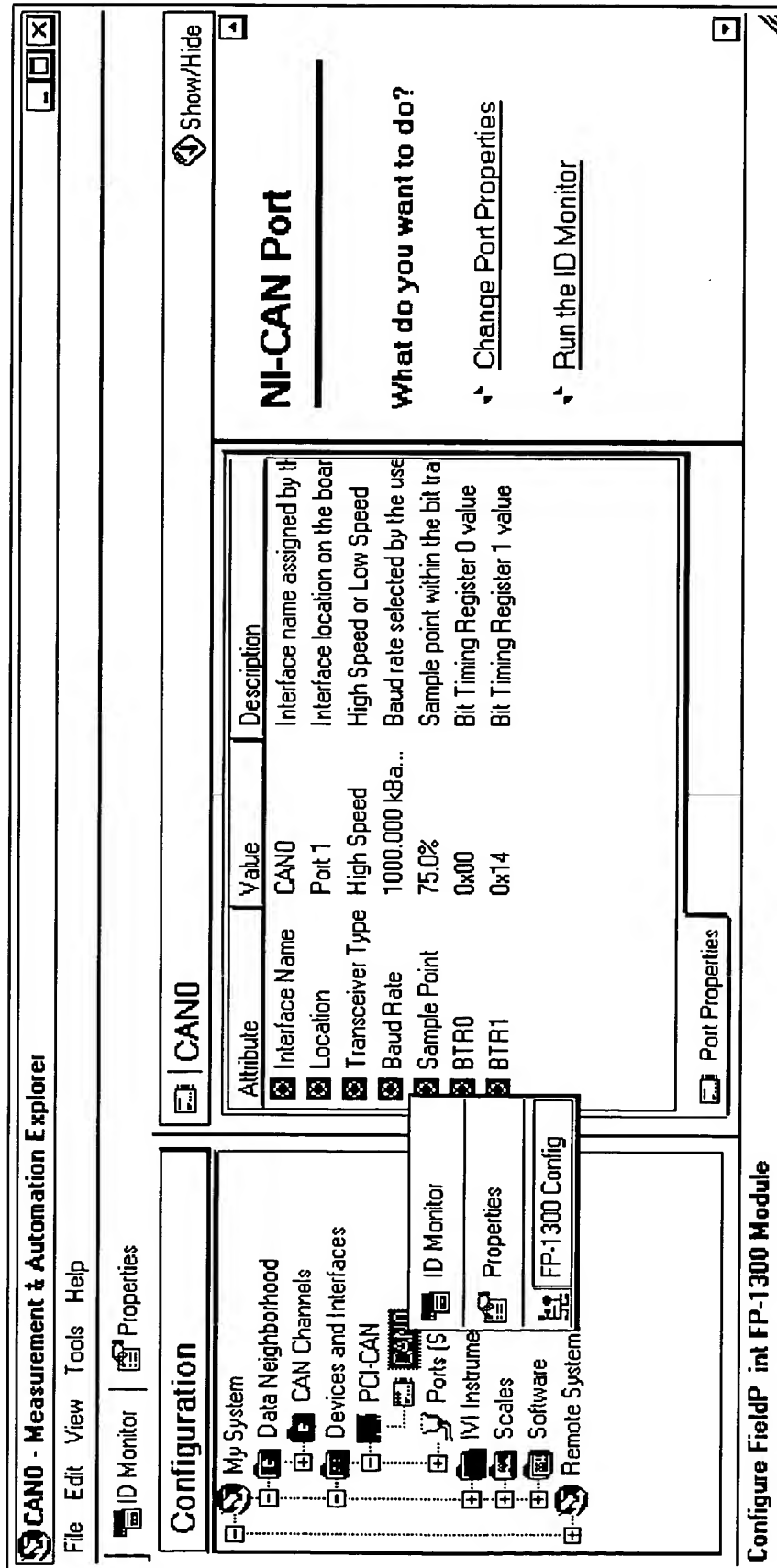


Fig. 9

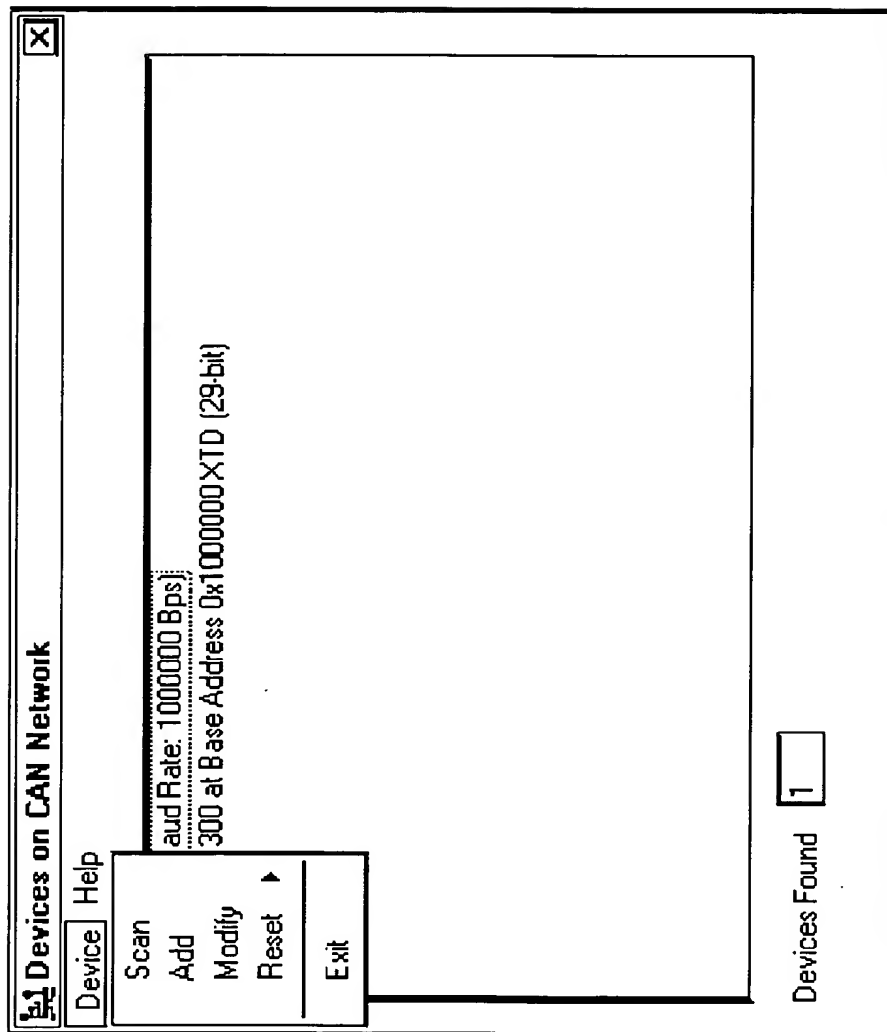


Fig. 10

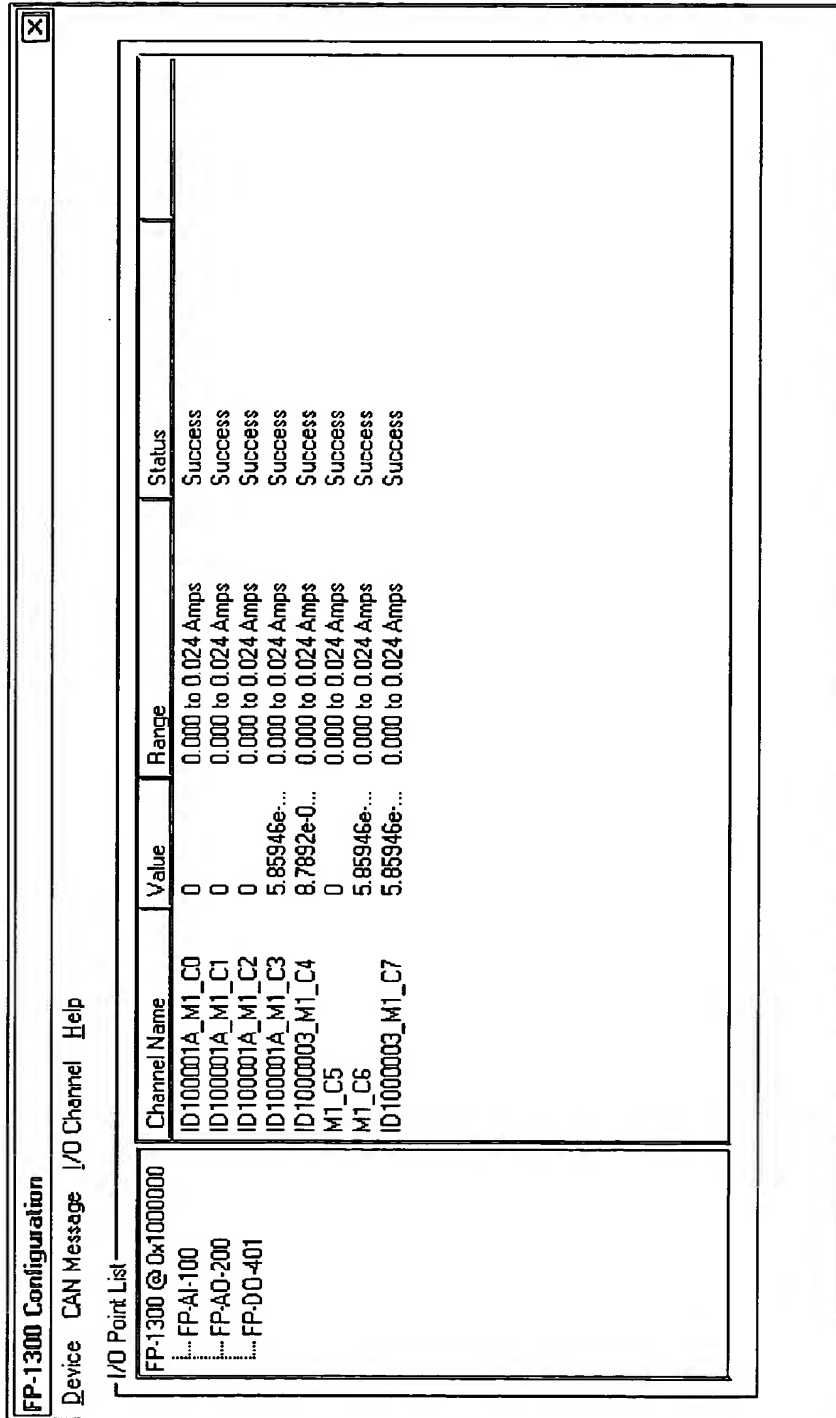


Fig. 11

Configure I/O Point [X]

Analog Input at channel 0 of FP-AI-100

Data Configuration

Range
0.000 to 0.024 Amps [v]

Percent Deadband for Change of State
1.00

Upper Level
0.00 ☐ Enable

Lower Level
0.00 ☐ Enable

Power-Up Value
 ☐ Enable

Fault Value (Watchdog)
 ☐ Enable

Channel Attributes

Attribute	Value
[v]	<input type="text"/>

☐ Configure all I/O Points of the same type on this module.

Channel Commands

Command	Value	
[v]	<input type="text"/>	<input type="button" value="Send"/>

Fig. 12

Allocated

CAN ID

0x100001a

XTD

☒

Modify Id Attributes

Output

☐

Input

☒

Channel Name	Start Bit	Size
ID100001A_M1_C0	0	16
ID100001A_M1_C3	16	16
ID100001A_M1_C2	32	16
ID100001A_M1_C1	48	16

<< Add ID ...

Delete ID >>

Message Overview

	7	6	5	4	3	2	1	0
0	7	6	5	4	3	2	1	0
1	15	14	13	12	11	10	9	8
2	7	6	5	4	3	2	1	0
3	15	14	13	12	11	10	9	8
4	7	6	5	4	3	2	1	0
5	15	14	13	12	11	10	9	8
6	7	6	5	4	3	2	1	0
7	15	14	13	12	11	10	9	8

<< Add Channel

Delete Channel >>

Available IDs

CAN ID

0x1000002

Available Channels

Mod:Chn	Size	Type
M1_C5	16	Input
M1_C6	16	Input

Exit

Help

Fig. 13

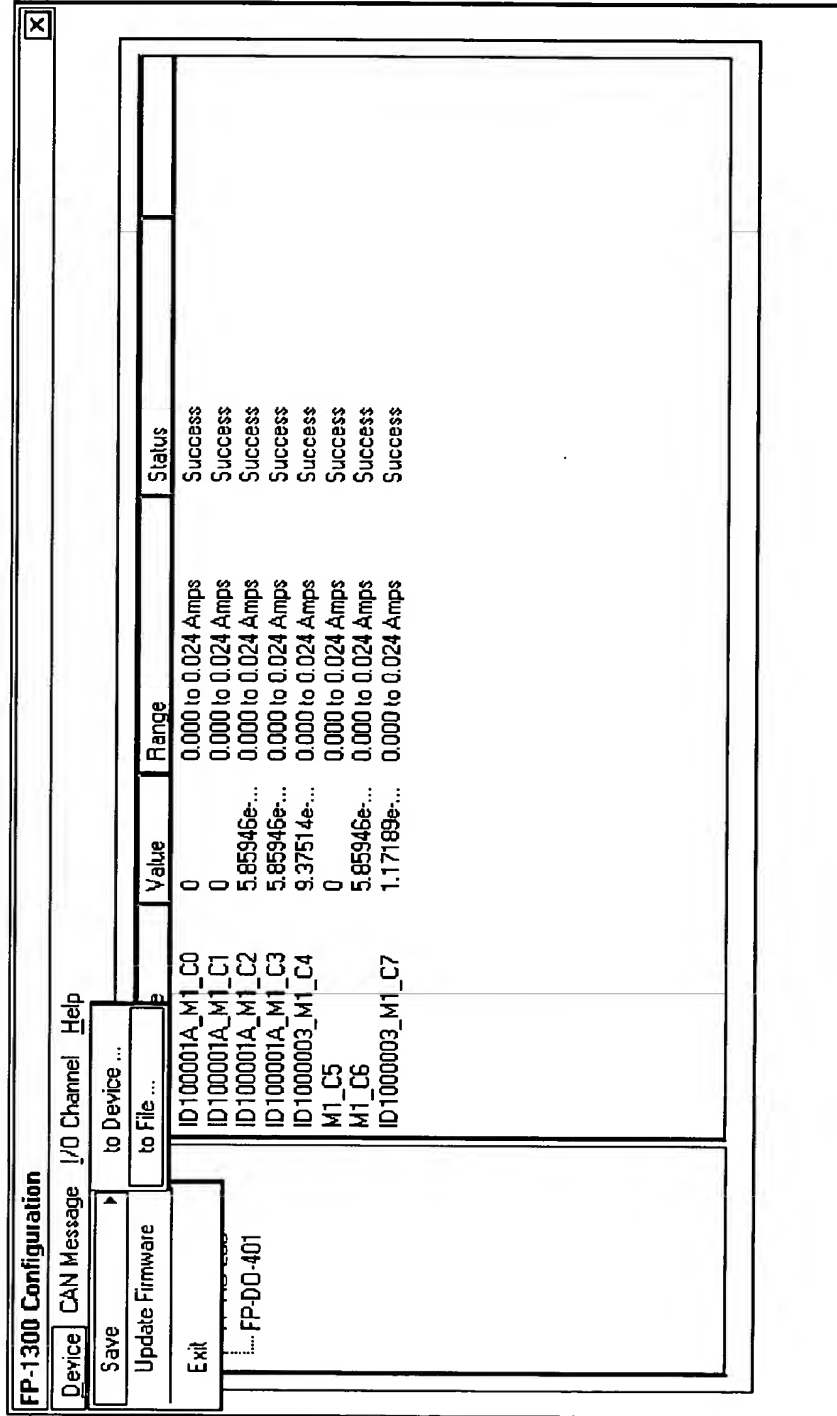


Fig. 14

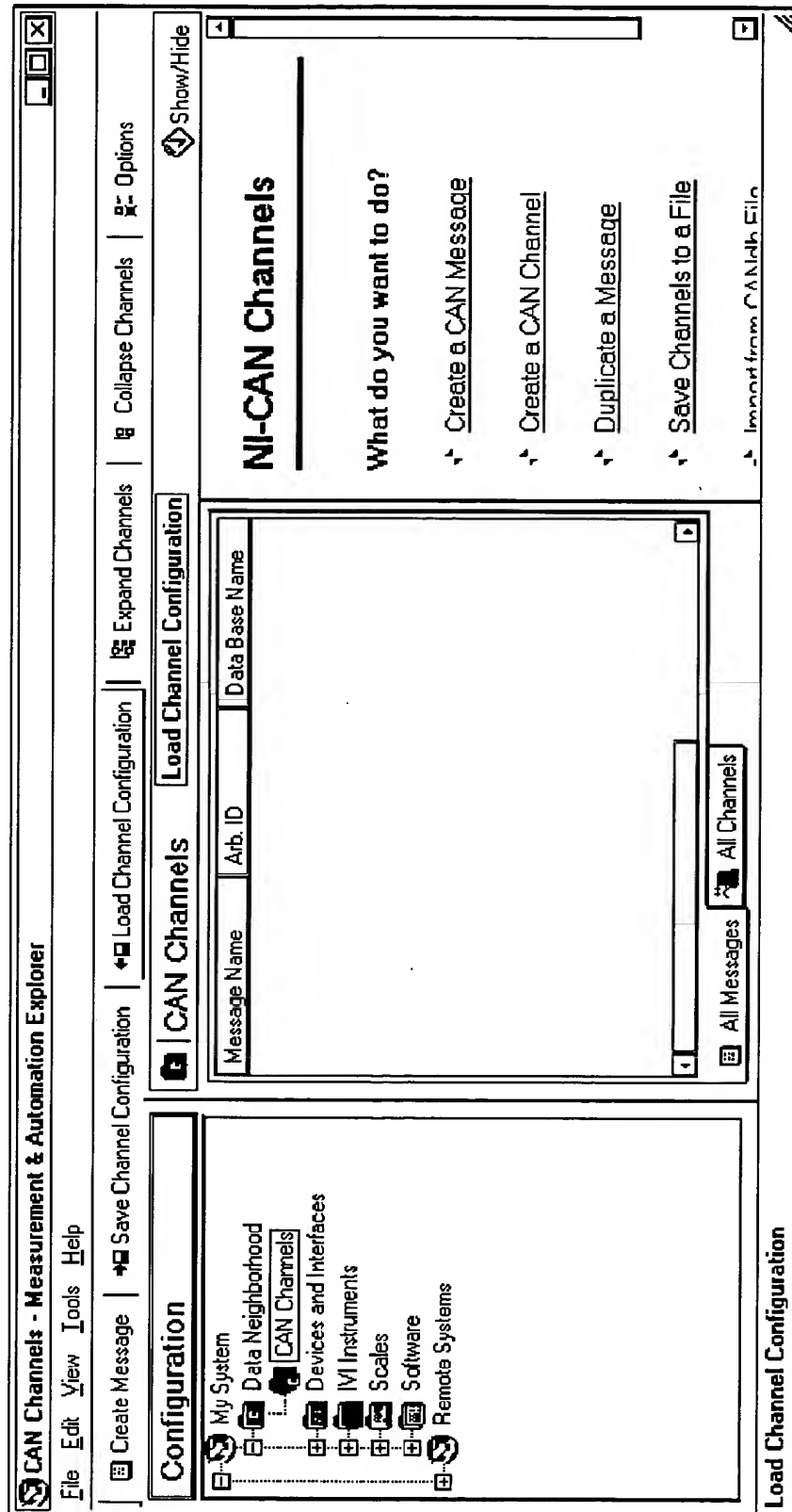


Fig. 15

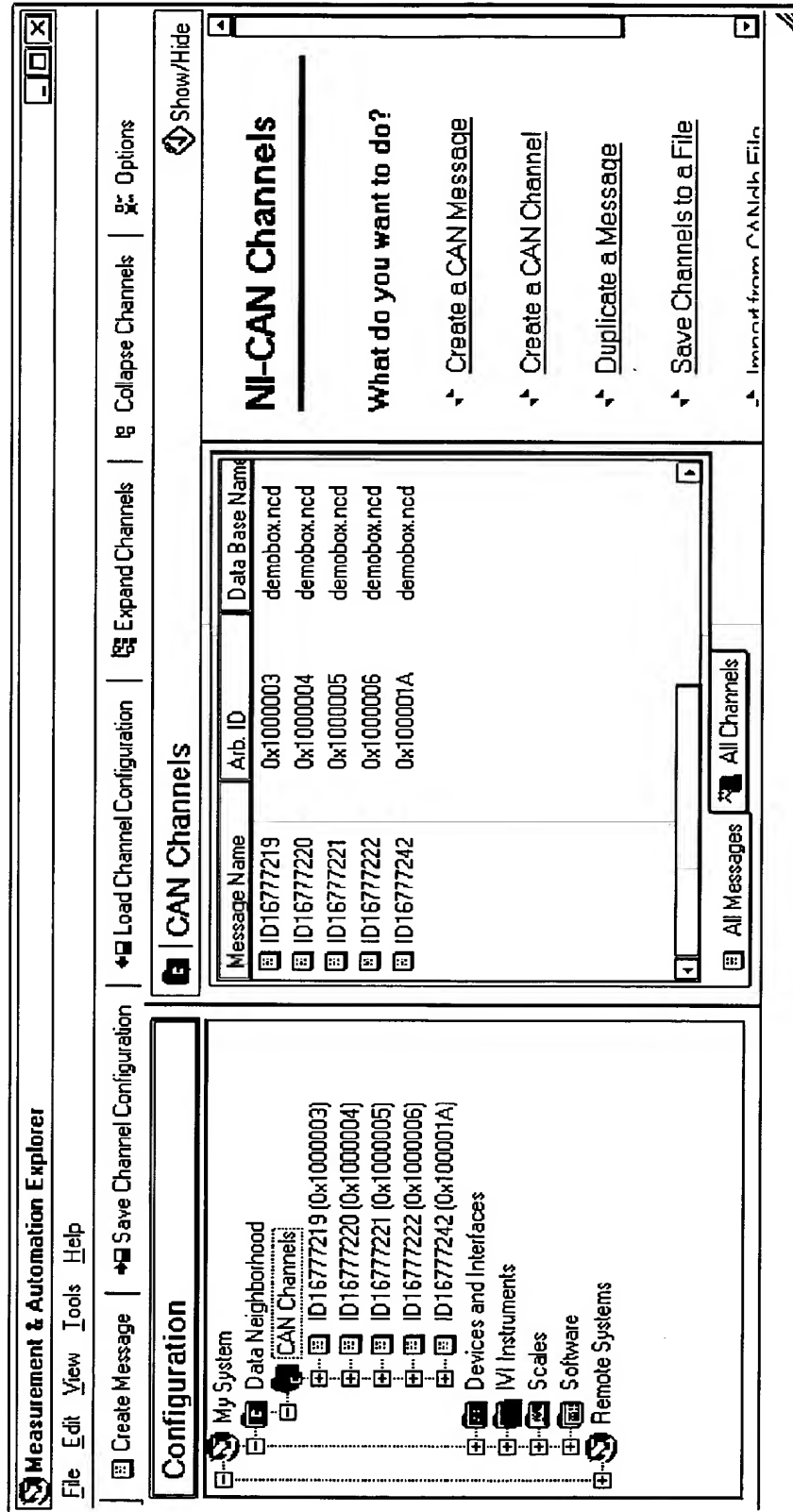


Fig. 16

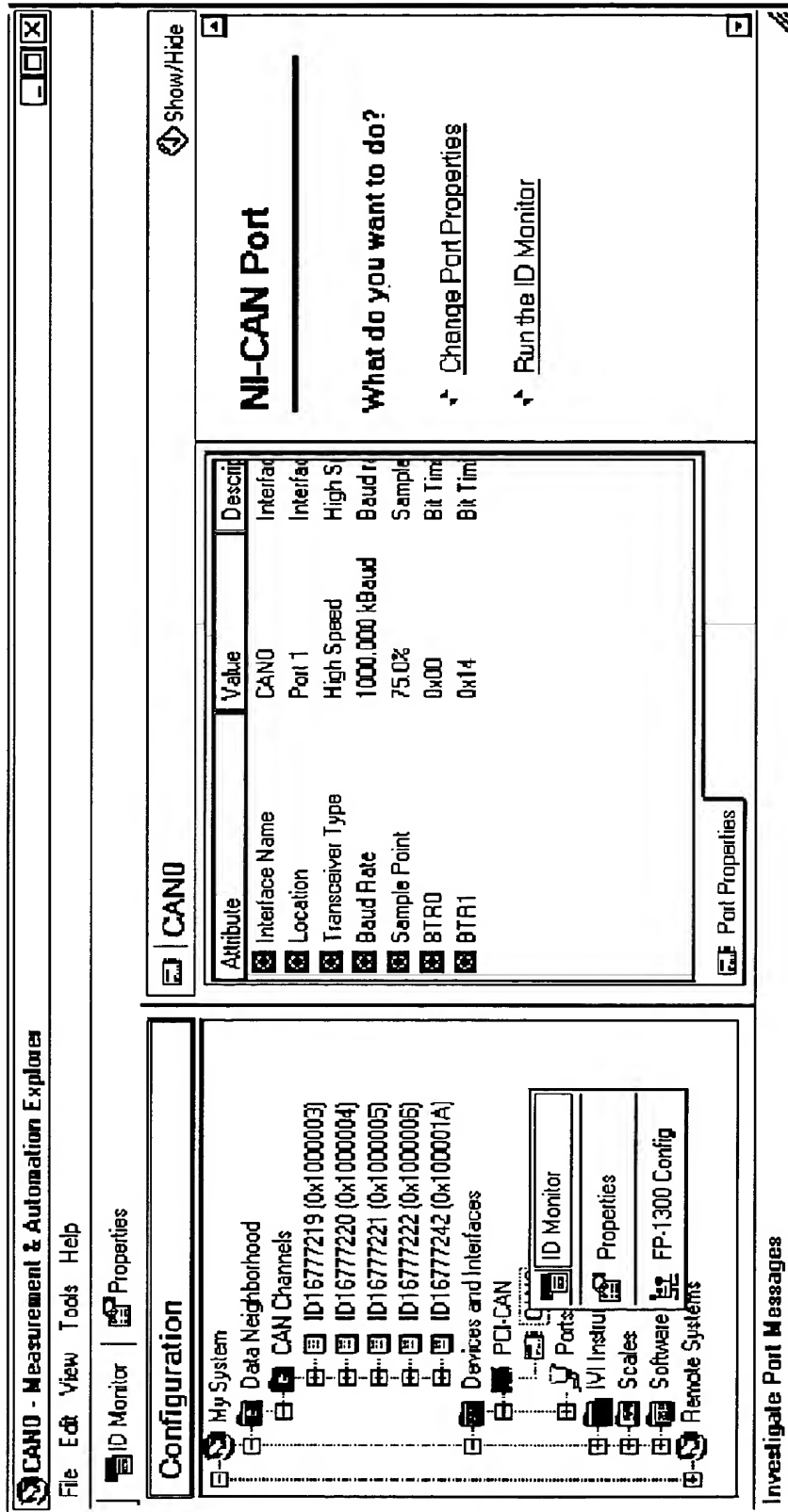


Fig. 17

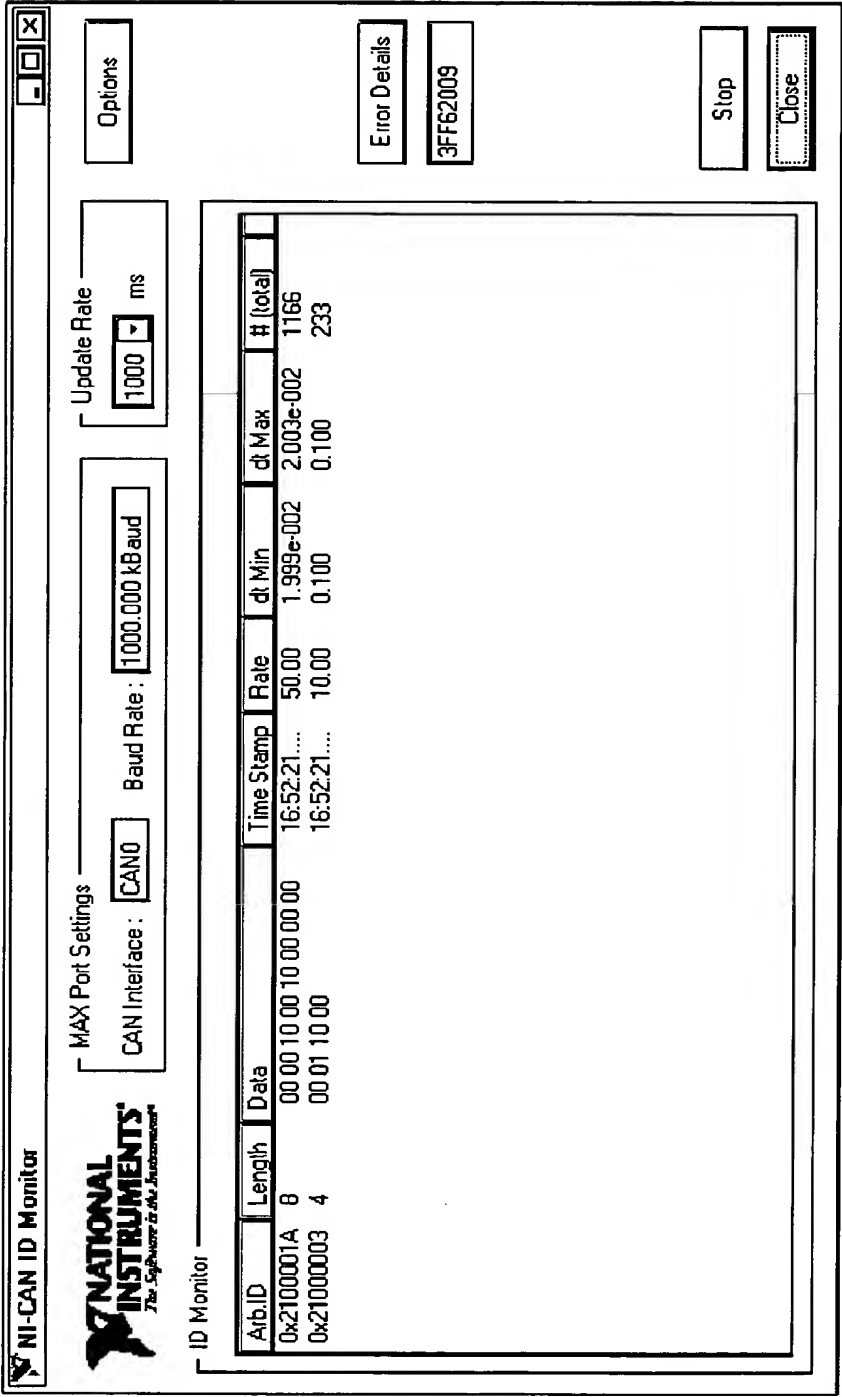


Fig. 18

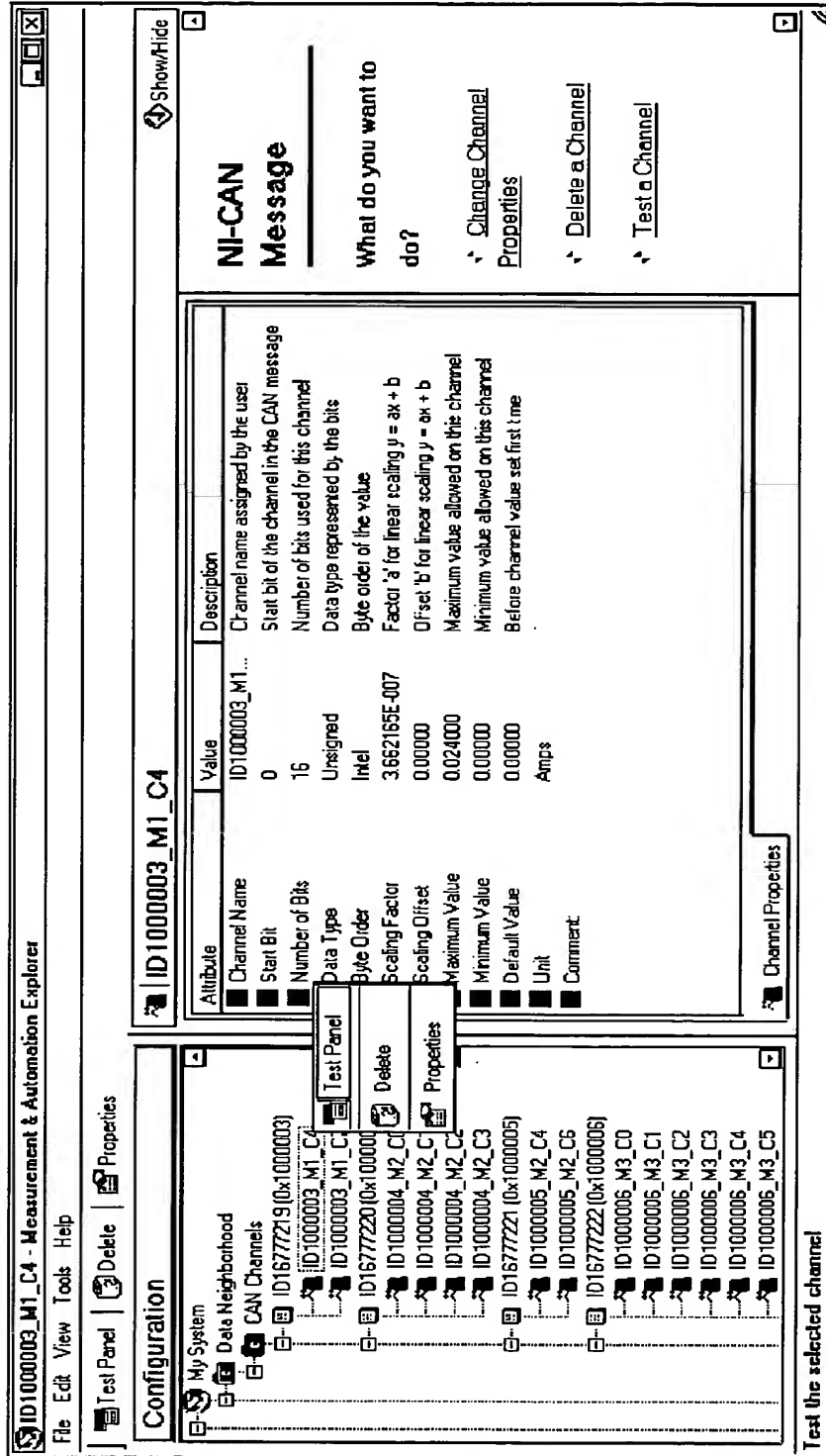


Fig. 19

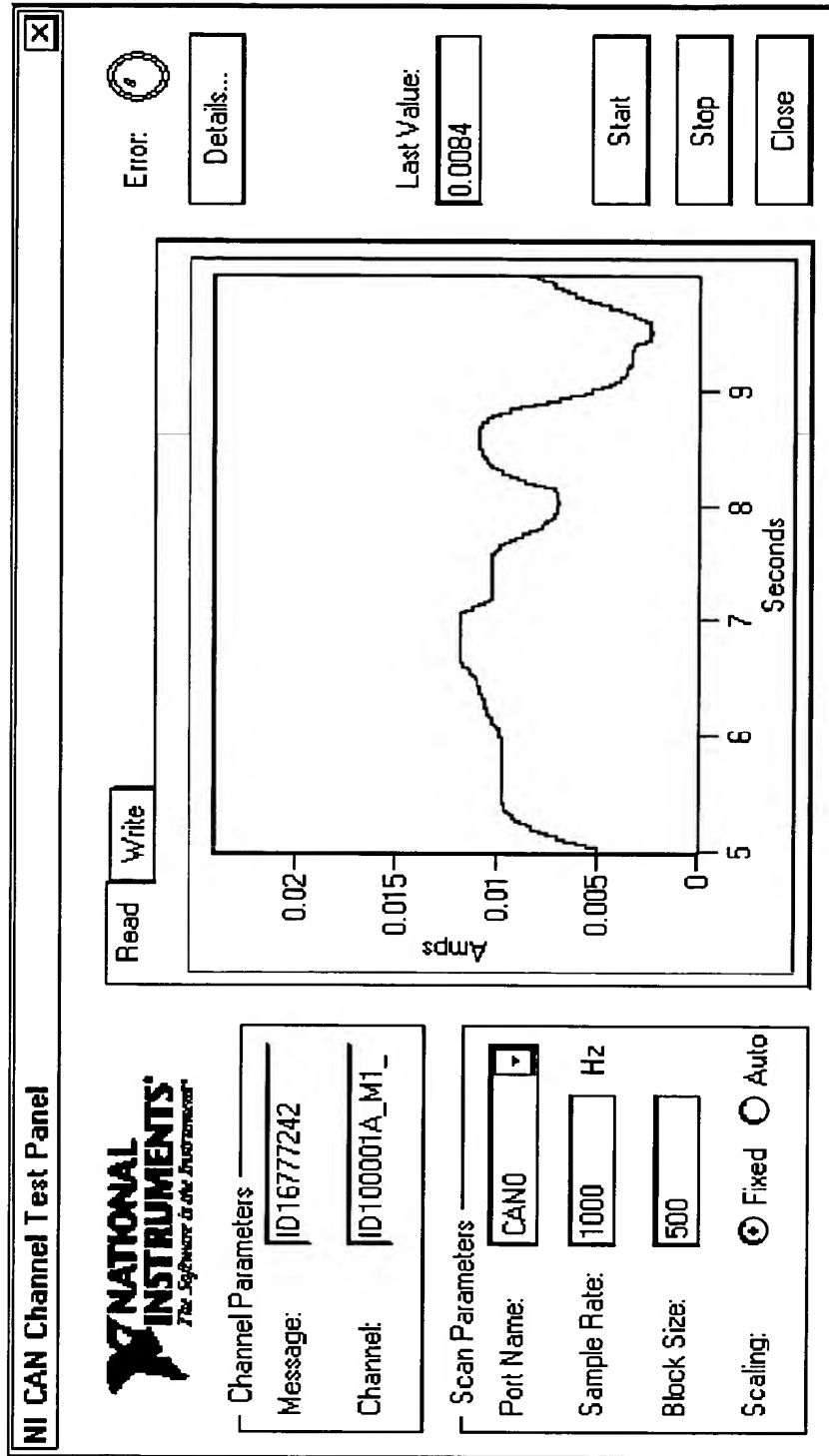


Fig. 20

CAN Channel Properties [X]

Channel Name: [OK]

Start Bit: No. of Bits: [Cancel]

Byte Order: [Help]

Data Type:

Scaling Factor:

Scaling Offset:

Maximum Value:

Minimum Value:

Default Value:

Unit:

Comment:

ID16777242 (0x100001A):

	7	6	5	4	3	2	1	0
0	7	6	5	4	3	2	1	0
1	15	14	13	12	11	10	9	8
2	7	6	5	4	3	2	1	0
3	15	14	13	12	11	10	9	8
4	7	6	5	4	3	2	1	0
5	15	14	13	12	11	10	9	8
6	7	6	5	4	3	2	1	0
7	15	14	13	12	11	10	9	8

Fig. 21

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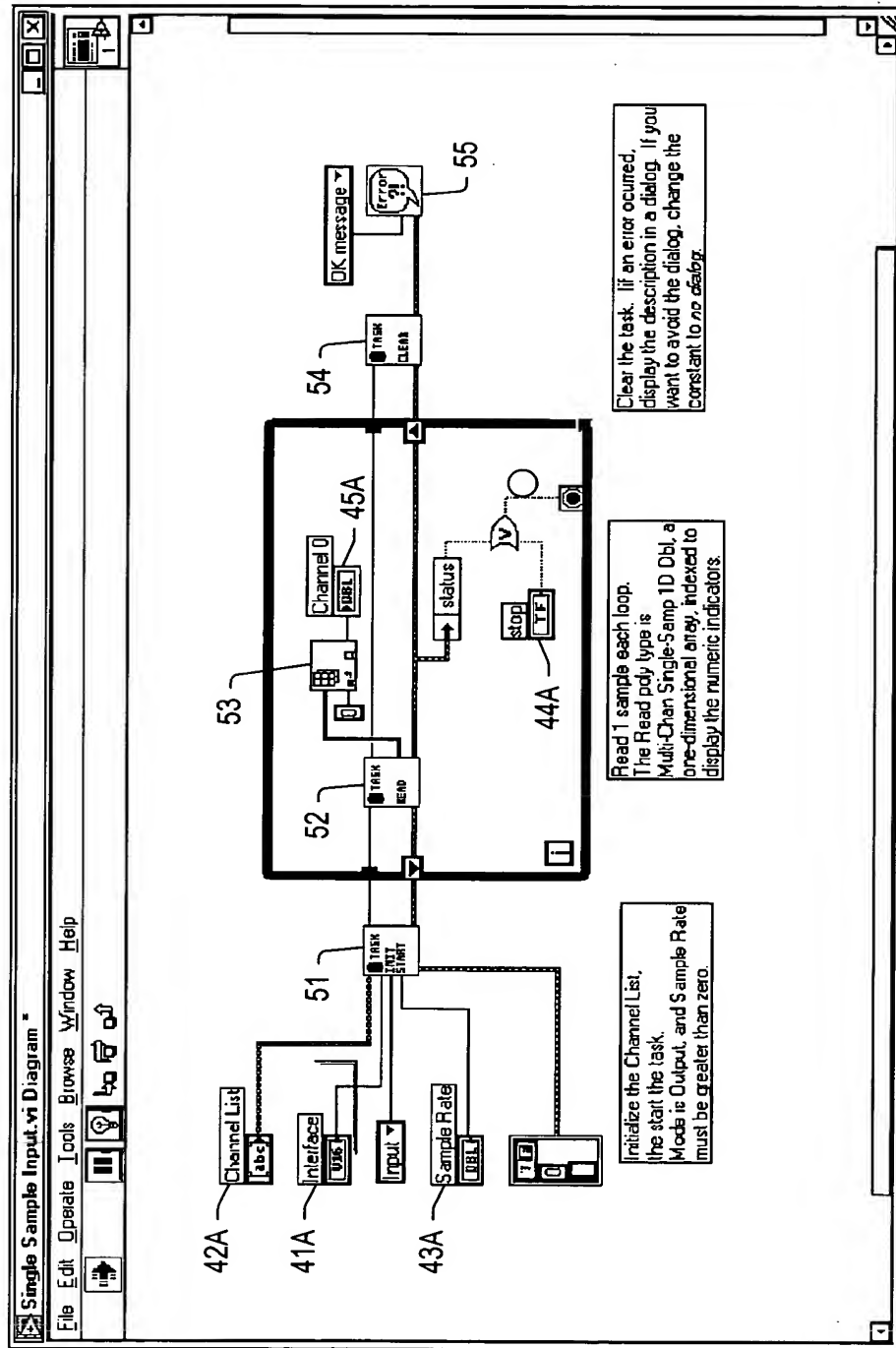


Fig. 22

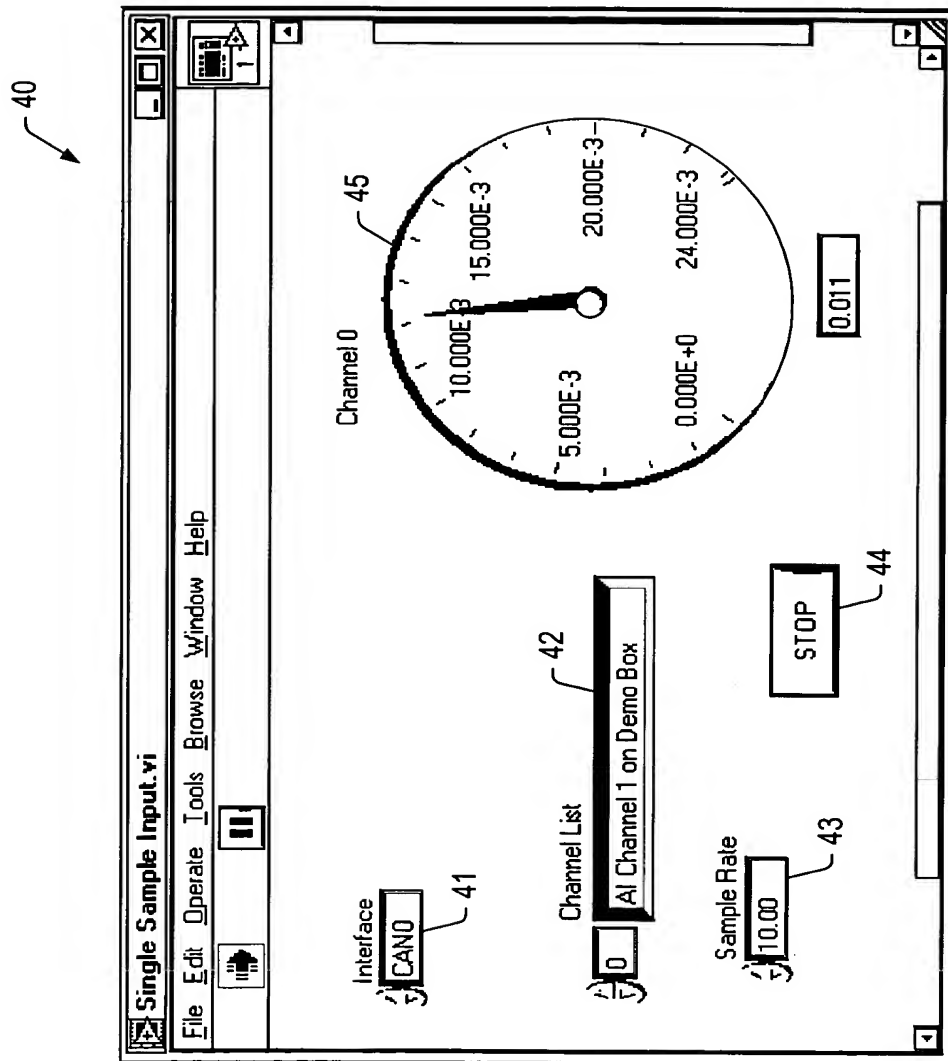


Fig. 23